

INTERNATIONAL SEARCH REPORT

International Application No

/IB2004/052415

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B1/16 H03J5/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04B H04Q H03H H03J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/31885 A1 (NOKIA MOBILE PHONES LTD; VAEISAENEN, RISTO; KALTIOKALLIO, KIM) 2 June 2000 (2000-06-02) figure 1 page 2, paragraph 1 figure 2 page 6, line 15 - line 27 ----- -/--	1-31

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

25/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Douglas, I

INTERNATIONAL SEARCH REPORT

International Application No

P/IB2004/052415

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LAWTON M C ET AL: "The design of flexible receivers for communicating appliances" VEHICULAR TECHNOLOGY CONFERENCE, 1996. MOBILE TECHNOLOGY FOR THE HUMAN RACE., IEEE 46TH ATLANTA, GA, USA 28 APRIL-1 MAY 1996, NEW YORK, NY, USA, IEEE, US, vol. 2, 28 April 1996 (1996-04-28), pages 1060-1064, XP010162552 ISBN: 0-7803-3157-5 abstract page 1060, left-hand column page 1061, left-hand column, paragraph 1 - right-hand column, paragraph 1 -----</p>	1-31

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
P/IB2004/052415

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0031885	A1	02-06-2000	FI 982559 A	27-05-2000
			AU 1562800 A	13-06-2000
			CN 1328723 T	26-12-2001
			EP 1133831 A1	19-09-2001
			JP 2002530995 T	17-09-2002
<hr/>				